

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14	("340"/\$.ccls. or "43"/\$.ccls.) and (dragonfly or damselfly or insect or mosquito) and (wing and (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 08:50
L2	15	(wing or wingbeat\$4 or wing-beat\$4) and ("340"/\$.ccls. or "43"/\$.ccls. or "119"/\$.ccls.) and (dragonfly or damselfly or insect or mosquito) and (wing and (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 08:50
L3	2	amplif\$4 and ultrasonic and converter and timer and (pet or mosquito or aminal) and ((digital near3 analog) or a/d) and (dragonfly or damselfly or insect or mosquito) and (wing and (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 08:51
S1	2	"20040216353"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:30
S2	5	340/384.2.ccls. and mosquito.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:32
S3	9	340/384.2.ccls. and mosquito	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:33
S4	5	"340"/\$.ccls. and mosquito.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 09:42
S5	0	S3 and amplif\$4 and ultrasonic and converter and timer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:35
S6	0	S3 and ultrasonic and converter and timer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:35
S7	1	"340"/\$.ccls. and amplif\$4 and ultrasonic and converter and timer and mosquito	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:38
S8	3	amplif\$4 and ultrasonic and converter and timer and mosquito and ((digital near3 analog) or a/d)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:44
S9	9	("4178578"   "4366644"   "4982100"   "5339564").PN. OR ("5896696").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/28 14:42

## EAST Search History

S10	2216	mosquito.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:42
S11	2	(mosquito near2 disper\$4).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:43
S12	2262	(device near2 disper\$4).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:45
S13	1	S12 and amplif\$4 and ultrasonic and converter and timer and mosquito and ((digital near3 analog) or a/d)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:47
S14	1	S12 and (preamp or pre-amp or amplif\$4) and ultrasonic and converter and timer and mosquito and ((digital near3 analog) or a/d)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:45
S15	225	((mosquito or pet) near2 (control\$4 or disper\$4)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:46
S16	1	S15 and amplif\$4 and ultrasonic and converter and timer and mosquito and ((digital near3 analog) or a/d)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:47
S17	1	S15 and amplif\$4 and ultrasonic and converter and timer and ((digital near3 analog) or a/d)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:47
S18	3	amplif\$4 and ultrasonic and converter and timer and mosquito and ((digital near3 analog) or a/d)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:48
S19	36	amplif\$4 and ultrasonic and converter and timer and (pet or mosquito or aminor) and ((digital near3 analog) or a/d)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 08:50
S20	61	amplif\$4 and ultrasonic and timer and (pet or mosquito or aminor) and ((digital near3 analog) or a/d)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:54
S21	22	"340"/\$.ccls. and mosquito	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:51

## EAST Search History

S22	251	amplif\$4 and ultrasonic and timer and (pet or mosquito or aminal or insect or fly or fly or gnat or cockroach or termite) and ((digital near3 analog) or a/d)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:57
S23	123	S22 and converter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 14:56
S24	28	amplif\$4 and ultrasonic and timer and (pet or mosquito or aminal or insect or fly or fly or gnat or cockroach or termite) and ((digital near3 analog) or d/a or dac) and converter and (speaker or auido or audible) and (memory or storage or media)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 16:55
S25	17	amplif\$4 and ultrasonic and timer and (pest or mosquito or insect or fly or fly or gnat or cockroach or termite) and ((digital near3 analog) or d/a or dac) and converter and (speaker or auido or audible) and (memory or storage or media)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 15:21
S26	17	amplif\$4 and ultrasonic and timer and (pest or mosquito or insect or fly or fly or gnat or cockroach or termite) and ((digital near3 analog) or d/a or dac) and converter and (speaker or auido or audible)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 15:22
S27	29	ultrasonic and timer and (pet or mosquito or insect or fly or flies or gnat or cockroach or termite) and ((digital near3 analog) or d/a or dac) and converter and (speaker or auido or audible)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 16:56
S28	12	ultrasonic and timer and (pest or mosquito or insect or fly) and ((digital near3 analog) or d/a or dac) and converter and (speaker or auido)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 16:59
S29	141	ultrasonic and (pest or mosquito or insect or fly) and ((digital near3 analog) or d/a or dac) and (speaker or auido)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/28 17:00
S30	70	ultrasonic and (pest or mosquito or insect) and ((digital near3 analog) or d/a or dac) and (speaker or auido)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 09:40
S31	23	("2922999"   "3886492"   "3931865"   "4045663"   "4484315"   "4563759"   "4566085"   "4658386"   "5065975"   "5214619"   "5244438"   "5575106"   "5598379"   "5602523"   "5657576"   "5850371"   "D344319"   "D370247").PN. OR ("6570494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/29 09:37
S32	13	S31 and ultrasonic	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/29 09:37
S33	9	("4178578"   "4366644"   "4982100"   "5339564").PN. OR ("5896696").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/29 09:38
S34	133865	(S31 or S33) ultrasonic	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/29 09:39
S35	14	(S31 or S33) and ultrasonic	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/29 09:57

## EAST Search History

S36	0	S35 and ((digital near5 analog) or d/a or dac)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 09:40
S37	0	S35 and digital	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 09:41
S38	5	S35 and (hertz or hz)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 13:51
S39	25	ultrasonic and mosquito.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 09:46
S40	267	ultrasonic and (repell\$4 or repuls\$4 or mosquito).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 13:49
S41	3	S38 and speaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 09:59
S42	8	(S31 or S33) and convert\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/29 09:57
S43	5	S38 and (speaker or emitter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 09:59
S44	256	ultrasonic and (repel\$4 or repuls\$4 or mosquito).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 14:11
S45	271	ultrasonic and (repel\$5 or repuls\$4 or mosquito).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 17:31
S46	21	S45 and (hertz or hz)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 14:14
S47	23	("2922999"   "3886492"   "3931865"   "4045663"   "4484315"   "4563759"   "4566085"   "4658386"   "5065975"   "5214619"   "5244438"   "5575106"   "5598379"   "5602523"   "5657576"   "5850371"   "D344319"   "D370247").PN. OR ("6570494"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/29 14:06

## EAST Search History

S48	3	("3886492").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/29 14:07
S49	264	(ultrasonic or (wing-beat\$4) or (wing near2 beat\$4)) and (repel\$4 or repuls\$4 or mosquito).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/29 10:34
S50	21	S49 and (hertz or hz)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 14:16
S51	32	((wing-beat\$4) or (wing near2 beat\$4)) near3 frequen\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 14:15
S52	11	S51 and (hertz or hz)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 14:16
S53	5	S47 and timer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 16:59
S54	1	S45 and ((digital near3 storage near3 medium) or (flash near3 ROM) or (smart near3 media) or (compact near3 flash))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 17:34
S55	14	S45 and remote	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 17:34
S56	1	"20040216353".pn. and monostable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/09 10:43
S57	29	(("3872472") or ("3886492") or ("3931865") or ("4186387") or ("4484315") or ("4563759") or ("4566085") or ("5214411") or ("5896696") or ("6166996") or ("6250255") or ("6570494") or ("5602523")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/09 12:56
S58	6	S57 and vibra\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/09 12:56
S59	119	("340"/\$.cls. or "43"/\$.cls.) and (dragonfly or damselfly or insect or mosquito) and (hz or hertz)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/29 10:51

## EAST Search History

S60	79	("340"/\$.ccls. or "43"/\$.ccls.) and (dragonfly or damselfly or insect or mosquito) and (frequency near40 (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/29 12:19
S61	1	("340"/\$.ccls. or "43"/\$.ccls.) and (dragonfly or damselfly or insect or mosquito) and (wing near40 (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/29 12:19
S62	14	("340"/\$.ccls. or "43"/\$.ccls.) and (dragonfly or damselfly or insect or mosquito) and (wing and (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/29 12:47
S63	16	("340"/\$.ccls. or "43"/\$.ccls.) and (bug dragonfly or damselfly or insect or mosquito) and (wing and (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 08:49
S64	2	S63 not S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/29 12:38
S65	133	(dragonfly or damselfly or insect or mosquito) and (wing and (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/29 12:52
S66	151	(dragonfly or damselfly or insect or mosquito or bug) and (wing and (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/29 12:52
S67	4441	(dragonfly or damselfly or insect or mosquito or bug) and (wing or wingbeat same (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/29 12:53
S68	44	(dragonfly or damselfly or insect or mosquito or bug) and ((wing or wingbeat) same (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/29 12:54
S69	985	(dragonfly or damselfly or insect or mosquito or bug) and ((frequency) same (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/07 19:40
S70	104	S69 and ("340"/\$.ccls. or "43"/\$.ccls. or "119"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/29 12:56
S71	11	S70 and (wing or wingbeat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/07 19:42

## EAST Search History

S72	990	(dragonfly or damselfly or insect or mosquito or bug or wing-beat\$4 or (wing adj beat\$4)) and ((frequency) same (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/07 20:00
S73	2956	(dragonfly or damselfly or insect or mosquito or bug or wing or wing-beat\$4 or (wing adj beat\$4)) and ((frequency) same (hz or hertz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/07 19:42
S74	11	S72 and (wing or wingbeat\$4 or wing-beat\$4) and ("340"/\$.ccls. or "43"/\$.ccls. or "119"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/07 19:43
S75	26	S72 and (wing or wingbeat\$4 or wing-beat\$4 or repel\$5) and ("340"/\$.ccls. or "43"/\$.ccls. or "119"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/07 19:55
S76	42	(dragonfly or damselfly or insect or mosquito or bug or wing-beat\$4 or (wing adj beat\$4)) and (hz or hertz) and (wing or wingbeat\$4 or wing-beat\$4 or repel\$5) and ("340"/\$.ccls. or "43"/\$.ccls. or "119"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/07 20:00
S77	16	S76 not S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/07 20:01